



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3748	23-Nov-2022	Number 2	Issue date 12-Mar-2024	30-Apr-2025

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Product designation

Redback, CF1520 series, type B, indoor/outdoor, bracket mount, emergency sound-system sound projectors

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Altronic Distributors Pty Ltd
174 Roe Street, PERTH, WA, AUSTRALIA, 6000

Registrant

Altronic Distributors Pty Ltd
174 Roe Street, PERTH, WA, AUSTRALIA, 6000

Producer

Altronic Distributors Pty Ltd
174 Roe Street, PERTH, WA, AUSTRALIA, 6000

Conformance criteria and evaluation

The Redback, CF1520 series, type B, indoor/outdoor, bracket mount, emergency sound-system sound projectors has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS ISO 7240.24:2018, 'Fire detection and alarm systems - Part 24: Fire alarm loudspeakers'.

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Issued by

Kaj Loh
Executive Officer – ActivFire Scheme



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Producer's description

The Redback, CF1520 series, type B, indoor/outdoor, bracket mount, emergency sound-system sound projectors is designed to be bracket or pole mounted to provide emergency warning audible broadcasts. The Redback Model CF1520G is constructed from grey coloured plastic and is fitted with a 145 mm diameter full range driver, and is rated for a maximum power output of 10 W when provided with an input signal of 100 Vac. The Redback Model CF1520G provides five taps on the included transformer for operating at a range of output levels.

The Redback Model CF1520G includes a grey plastic circular front grill with a concentric pattern of holes, plus a 3-point twist-lock rear cap which is fitted with two lock-nut cable glands for connection to an emergency sound system.

The Redback Model CF1520G is a type B loudspeaker intended for indoor and outdoor applications.

The Redback, CF1520W is identical to the Redback Model CF1520G except that the speaker (and bracket) is white in colour.

The Redback, CF1520B is identical to the Redback Model CF1520G except that the speaker (and bracket) is black in colour.

Technical specification

The following details are a representative extract of the technical specification for the Redback, CF1520 series, type B, indoor/outdoor, bracket mount, emergency sound-system sound projectors and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Variant		Description	Colour
Type	Ident.		
Model	CF1520G	Type B, indoor/outdoor, bracket mount, emergency sound-system	Grey speaker and bracket
	CF1520W		White speaker and bracket
	CF1520B		Black speaker and bracket

Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

Rated noise power	10 Watts (100 V line)
Power taps & impedance	(100 V line) 1.25 W (8 kΩ), 2.5 W (4 kΩ), 5 W (2 kΩ), 7.5 W (1.33 kΩ), 10 W (1 kΩ)
Sensitivity	93 dB (1 W @ 1 m), 81 dB (1 W @ 4 m)
Maximum Sound Pressure Level	100 dB (10 W @ 1 m), 88 dB (10W @ 4 m)
Frequency response	100 Hz – 15 kHz, 100 Hz – 8 kHz: ±5 dB
Coverage angle (-6dB)	500 Hz: >180°, 1000 Hz: 125°, 2000 Hz: 100°, 4000 Hz: 65°
Environmental	Type B (for outdoor applications as per standard)
Speaker component	Aluminium voice coil former
Mounting depth	250 mm max
Mounting method	Wall bracket with mounting holes
Line monitoring	Yes, 22 µF bipolar capacitor
Applicable cable	2.5 mm ² (14 AWG) max conductor area
Connection	4-way screw terminal
Finish	Flame retardant ABS (Absolac 300 MFR)
IP Rating	IP66
Dimensions	145Ø x 250D mm
Weight	1.4 kg

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Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Report	XF3338/R3	Evaluation for Conformity of the Redback, Model CF1520G/CF1520W/CF1520B, type B, sound projector, indoor/outdoor, bracket mount, emergency sound-system loudspeaker to the requirements of AS ISO 7240.24:2018	22-Nov-2022	CSIRO, Fire Systems Laboratory, AU
Data Sheet	CF1520	Datasheet AS ISO7240.24 10W 100V Line Sound Projector Speaker REDBACK® Dated: 22-Jul-2022 (CF1520 Datasheet Rec JW 22-7-2022 for SUB 2.pdf)	22-Jul-2022	Altronic Distributors Pty Ltd